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Received: 08 Sep 2003

Title: AUTOMATIC 3D PLANE ROTATION

Search criteria:

Ultrasound Imaging.

In an "auto-rotate" mode of the Matrix probe, the US system steps the rotation angle of the plane image through a preselected series. The rotation axis can be chosen, pe elevation tilt, lateral tilt, axial rotation. Also the angle range, step speed, frames per step, ECG triggering can be selected. The resulting set of images is recorded.

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Very Relevant Documents (* indicates a Philips patent/application)	relevant to criteria
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US-5846204 A Rotatable transducer in catheter probe,
transducer array positionable in
predetermined angular positions;
summary + Col 6 L 34-55. (PHA-
024223)

Relevant documents (* indicates a Philips patent/application)	relevant to criteria
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US-20030114757 A1 Generate 3D volume image from
multiple 2D slice images, acquired in
fanned scan; abstract, par 0004, 0005, .
(PHUS-019029)

Technical Background (* indicates a Philips patent/application)	relevant to criteria
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US-6503199 B1 Steered beams (electronically and
mechanically) nonuniformly spread in
space, to create 2D slices for a 3D
volumetric display; abstract. (PHUS-
090151)

US-6471653 B1 Invasive probe with motor rotatable
transducer; summary.